

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 509582000110

Application Number 09/876,157

Applicant

David H. McDaniel

Filing Date June 8, 2001

Group Art Unit 3763

Mailing Date

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	7/10/84	4,458,678	Yannas et al.			
	2.	03/03/87	4,646,743	Parris			
	3.	12/19/89	4,888,354	Chang et al.			
	4.	6/05/90	4,930,504	Diamtopulos et al.			
	5.	11/13/90	4,969,912	Kelman et al.			
	6.	06/04/91	5,021,452	Labbe et al.			
	7.	03/30/93	5,198,465	Dioguardi			
	8.	11/30/93	5,266,480	Naughton et al.			
	9.	7/26/94	5,332,802	Kelman et al.			
	10.	11/22/94	5,336,498	Brannan et al.			
	11.	03/14/95	5,397,352	Burres			
	12.	8/29/95	5,445,146	Bellinger			
	13.	08/19/95	5,445,634	Keller			
	14.	10/24/95	5,460,939	Hansbrough et al.			
	15.	01/07/97	5,591,44	Boss, Jr.			
	16.	08/26/97	5,660,836	Knowlton			
	17.	08/26/97	5,660,850	Boss, Jr.			
	18.	09/09/97	5,665,372	Boss, Jr.			
	19.	05/26/98	5,755,752	Segal			
	20.	08/30/88	4,767,402	Kost et al.			
	21.	08/06/91	5,037,432	Molinari			
	22.	07/13/93	5,226,907	Tankovich			
	23.	08/03/93	5,231,975	Bommannan et al.			
	24.	06/13/95	5,423,803	Tankovich et al.			
	25.	06/20/95	5,425,728	Tankovich			
	26.	04/15/97	5,620,478	Eckhouse			

EXAMINER: (examiner)

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27.	07/01/97	5,643,334	Eckhouse
28.	08/19/97	5,658,323	Miller
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32.	05/19/98	5,752,949	Tankovich et al.
33.	10/06/98	5,817,089	Tankovich et al.
34.	12/01/98	5,843,072	Furumoto et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	35.	08/28/97	97/7751	South Africa			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	36.	<u>Lasers in Surgery and Medicine</u> , 21:262-268 (1997), Improvement of Host Response to Sepsis by Photobiomodulation, Wei Yu et al. (marked up)
	37.	<u>J. Dermatol. Surg. Oncol.</u> , 13:2, February, 1987, Biostimulation of Wound Healing by Lasers: Experimental Approaches in Animal Models and Fibroblast Cultures, R. Patrick Abergel et al. (marked up)
	38.	<u>Lasers in Surgery and Medicine</u> , 12:528-537 (1992), Power Density and Exposure Time of He-Ne Laser Irradiation are More Important than Total Energy Dose in Photo-Biomodulation of Human Fibroblasts in Vitro, Hans H.F.I. van Breugel et al.
	39.	Skin Barrier Principles of Percutaneous, Absorption, Hans Schaefer et al. 1996., pp.153 and 175 (marked up)
	40.	<u>Skin Pharmacol.</u> , 1994; 7:130-139, High Frequency Sonophoresis: Permeation Pathways and Structural Basis for Enhanced Permeability, Gopinathan K. Menon et al. (marked up)
	41.	<u>Anesthesiology</u> , V. 78 No. 6, June 1993, Use of Ultrasound to Enhance the Local Anesthetic Effect of Topically Applied Aqueous Lidocaine, Katsuro Tachibana et al. (marked up)
	42.	<u>Journal of the American Podiatric Medical Association</u> , Vol. 82, No. 8, August 1992, Hydrocortisone Phonophoresis, A Literature Review, Joseph T. Newman et al. (marked up)

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| 43. | <u>Science</u> , Vol. 269, August, 1995, Ultrasound-Mediated Transdermal Protein Delivery, Samir Mitragotri et al. (marked up) |
| 44. | <u>Pharmaceutical Research</u> , Vol. 8, No. 2, 1991, Influence of Ultrasound on the Percutaneous Absorption of Nicotinate Esters, Heather A. Benson et al. (marked up) |
| 45. | <u>Physiotherapy</u> , Vol. 74, No. 11, November, 1988, Transmission of Ultrasound Energy Through Topical Pharmaceutical Products, Heather A.E. Benson et al. (marked up) |
| 46. | <u>Journal of Pharmaceutical Sciences</u> , Vol. 84, No. 6, June, 1995, A Mechanistic Study of Ultrasonically-Enhanced Transdermal Drug Delivery, Samir Mitragotri et al. (marked up) |
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| 48. | The International Congress of Esthetics, October 25-27, 1997, convention program |
| 49. | <u>Cosmetics & Toiletries</u> , Vol. 113, June, 1998, Ultrasonic Radiation for Hair Treatments, Miklos M. Bruer |
| 50. | <u>J. Appl. Cosmetol.</u> , Vol. 15, 147-159, Oct.-Dec. 1997, Enhancing the Glycolic Acid Efficacy by Piezoelectric Vibrations, P. Morganti et al. (marked up) |
| 51. | <u>Rheumatology and Rehabilitation</u> , 1975, 14, 237, The Stimulation of Protein Synthesis in Human Fibroblasts by Therapeutic Ultrasound, W. Harvey et al. (marked up) |
| 52. | <u>Physical Therapy</u> , Vol. 75, No. 7, July 1995, In Vitro Effects of Therapeutic Ultrasound on the Nucleus of Human Fibroblasts, Patrick G. De Deyne et al. |
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| 59. | <u>Acta Chirurgiae Plasticae</u> , 15, 2, 1973, Strengthening of Sutured Skin Wound with Ultrasound in Experiments on Animals, V. Drastichova et al. |
| 60. | <u>Ultrasonics</u> , January, 1980, The Role of Ultrasound-Induced Cavitation in the In-Vitro Stimulation of Collagen Synthesis in Human Fibroblasts D.F. Webster et al. (marked up) |

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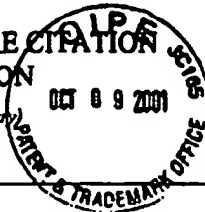
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62.	<u>J. Dermatol Sci.</u> March 1996, 11(3):250-253, Ascorbic Acid Preferentially Enhances Type I and III Collagen Gene Transcription in Human Skin Fibroblasts, Takima S. Pinnel (Abstract)
63.	<u>J. Photocem Photobiol B.</u> February 1993; 17(2):109-114, Photodynamic Effects on the Nuclear Envelope of Human Skin Fibroblasts, B. Krammer et al. (Abstract)
64.	<u>J. Biochem (Tokyo)</u> , November, 1984; 96(5):1491-1500, Hemoprotein H-450 Identified as a Form of Cytochrome P-450 Having an Endogenous Ligand at the 6th Coordination Position of the Heme, T. Omura (Abstract)
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66.	<u>Vojnosanit Pregl.</u> November, 1995; 52(6):539-546, Stimulatory Effect of Low-Power Density He-Ne Radiation of Human Fibroblasts in Vitro, M. Hrnjak et al. (Abstract)
67.	<u>Ann Plast Surg.</u> January, 1987; 18(1):47-50, Biostimulation of Wound Healing in Vivo by a Helium-Neon Laser, R.F. Lyons et al. (Abstract)
68.	<u>Lasers Surg Med.</u> 1997; 20(1):56-63, Effects of Photostimulation on Wound Healing in Diabetic Mice, W. Yu et al. (Abstract)
69.	<u>Artif Cells Blood Substit Immobil Biotechnol.</u> July, 1998; 26(4):437-439, In Vitro Experimental Research of Rabbit Chondrocytes Biostimulation with Diode Laser Ga-Al-As: a Preliminary Study, G. Morrone et al. (Abstract)
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72.	<u>Lasers Surg Med.</u> 1992; 12(5):528-537, Power Density and Exposure Time He-Ne Laser Irradiation are More Important than Total Energy Dose in Photo-Biomodulation of Human Fibroblasts in Vitro, H.H. Van Bruegel et al. (Abstract)
73.	<u>Vojnosanit Pregl.</u> November, 1995; 52(6):539-546, Stimulatory Effect of Low-Power Density He-Ne Laser Radiation on Human Fibroblasts in Vitro, M. Hrnjak et al. (Abstract)
74.	<u>Dermatol Surg.</u> 1998; 24:1383-1386, The Use of Low Energy Photon Therapy (LEPT) in Venous Leg Ulcers: Double-Blind Placebo-Controlled Study, Aditya K. Gupta et al.
75.	<u>Lasers Surg. Med.</u> 1997; 20(2):131-141, Thermal Damage Assessment of Blood Vessels in a Hamster Skin Flap Model by Fluorescent Measurement of a Liposome-dye System, S. Mordon et al.
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| 110. | <u>Lasers in Surgery and Medicine</u> , 20:426-432, 1997, Effects of Low-Energy Gallium-Aluminum-Arsenide Laser Irradiation on Cultured Fibroblasts and Keratinocytes, M. Pogrel et al. |
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